CyberPower

SMART APP SERIES

OL10000RT3UTF

For mission-critical enterprise applications requiring maximum power protection.

KEY FEATURES:

- 10000VA / 9000W UPS with Step-Down Transformer
- Double-Conversion Topology
- 120V & 200-240V Selectable Output Voltages
- 50/60 Hz (Auto-sensing / Configurable)
- Removable LCD Control Panel
- GreenPower UPS™ ECO Mode
- SNMP/HTTP Remote Management
- 9U Rack/Tower Convertible Form Factor
- Extended Battery Module Options with Fast Charge Technology
- 19 Outlets / USB, Serial, EPO and Dry Contact Ports
- PowerPanel® Business Edition

Runtimes:
4 Minutes at Full-load
11 Minutes at Half-load

ENERGY STAR

ENERGY-SAVING TECHNOLOGY

CyberPower's patented GreenPower UPS™ technology reduces UPS energy costs up to 75%! Save money and help reduce carbon emissions.

CyberPower Systems, Inc.
4241 12th Ave. E. Suite 400
Shakopee, MN 55379
Toll-free 877.297.6937
CPSww.com

The CyberPower Smart App Online OL10000RT3U rack/tower uninterruptible power supply (UPS) with LCD control panel and pure sine wave output safeguards mission-critical servers, data center and telecom equipment, VoIP, and internetworking hardware that require seamless power correction. Its Double-Conversion Topology is generator compatible and delivers consistent and clean AC power with zero transfer time, protecting connected equipment and preventing costly business interruptions. Auto-bypass insures connected equipment continues to operate seamlessly when an overload or internal fault is detected.

Configurable GreenPower UPS™ ECO Mode improves UPS efficiency to 95% and reduces electrical and cooling costs. Smart Battery Management (SBM) uses a 3 cycle charging mode to improve battery life and while reducing heat being generated.

The LCD control panel provides 38 different settings to check status and customize the operating parameters for the OL10000RT3U, plus it can be removed and mounted separately from the UPS for ease of use regardless of where the UPS is installed. Functions include menus for checking power status on (16) different parameters, (19) settings for setup, control, and testing of the UPS, and (3) selections for event logging. With a DB26 cable (sold separately) the LCD control panel can be removed from the UPS and relocated up to 10ft. away from the UPS for ease of viewing when installed in hard to reach locations.

The UPS incorporates microprocessor-based fully digital control and includes PowerPanel® Business Edition providing the user unsurpassed flexibility and control. An optional SNMP/HTTP Remote Management adapter (RMCARD302) supports remote management and control of the OL10000RT3U through a standard web browser.

The OL10000RT3U unit has a capacity of 10,000VA / 9,000Watts (0.9 power factor) that can be configured for an output of 200V, 208V, 220V, 230V and 240V +/- 2%. It features two (2) NEMA L6-20R, four (4) NEMA L6-30R, twelve (12) NEMA 5-20R receptacles, hardwire terminal block for output, hardwire input connection, and maintenance-free, hot swappable, user-replaceable batteries. This unit offers connectivity via one (1) HID USB, one (1) DB9 serial and one (1) emergency power off (EPO) port. Network grade surge suppression and EMI/RFI filters increase the immunity of the load to noise disturbances. The runtimes are expandable by adding a hot swappable, user replaceable BP240V30ART3U Extended Battery Module (EBM).

A Three-Year Warranty ensures that this UPS has passed our highest quality standards in design, assembly, material or workmanship and further protection is offered by a $300,000 Connected Equipment Guarantee.

FEATURES & BENEFITS:

Double-Conversion & Pure Sine Wave Output – The OL10000RT3UTF with Double-Conversion Topology provides continuous pure sine wave output with zero transfer time by converting utility AC power to DC power and inverting it back to pure sine wave AC output. The output power is identical to or cleaner than the power from the utility company grid, free of harmonic distortion and electrical noise, resulting in optimal line clarity.

Step-Down Transformer – The step-down transformer provides IT managers the ability to support both 120V and 200-240V output requirements with a single UPS solution. With twelve (12) NEMA 5-20R outlets available, users will have sufficient outlets to connect multiple 120V devices running at 15A and/or 20A.

LCD Control Panel – With 38 different settings, the innovative LCD interface enables users to check UPS status, manage setup and control and run testing options. Status and log menus provide UPS vitals including input and output voltage levels, battery information, runtime estimates, load information, event and fault logging and other system information. The Configuration menu offer IT managers the ability to customize their OL10000RT3UTF UPS to their specific parameters of operation including output voltage, sync frequency, alarm settings and other parameters. The Test menu enables self testing to insure your UPS is operating correctly.

Removable LCD Control Panel – The LCD control panel on the OL10000RT3UTF can be removed and relocated for easy viewing by using a DB26 cable (sold separately) that can be attached to the front or back of the UPS. This feature provides easy access to view, up to 10 ft. away, status or change settings on the UPS when it's installed in a hard to reach area such as the bottom of a rack, in a crowded IT closet or on the floor.

GreenPower UPS™ Eco Mode – The OL10000RT3UTF can be placed into an ECO mode that places the UPS into a bypass state with a user selectable voltage range for switching back to traditional double conversion online mode. This mode improves the UPS efficiency from 90% to 95%. Cost savings are not only achieved by reducing energy consumption, but also by lowering the heat generated by the UPS.

Extended Battery Module (EBM) – The runtime of the OL10000RT3UTF can be extended by integrating additional EBM (BP240V30ART3U). The OL Series UPS can have up to ten modules added. With the easy to use LCD control panel, you can select the number of additional EBMs and it will provide the correct estimated run-time for your configuration. (For requirements beyond 10 EMBs, contact CyberPower Technical support for directions).

Fast Charge Technology – Each EBM (BP240V30ART3U) has its own built in charger that enables the UPS to recover its charge rapidly when utility power is restored. As a result, your charging time remains the same whether you add one EBM or ten modules.

Smart Battery Management (SBM) – SBM uses a 3-cycle charging mode that improves battery life and reduces heat generated. The first mode charges the battery to full, the second mode maintains the charge at max and the final mode turns the charger off and allows the battery to "rest". After a slight discharge, the UPS will restart the cycle ensuring runtimes are maintained.

PowerPanel® Business Edition UPS Management Software – This software suite manages the power for all servers and computers supported by the UPS on a network. Features include application/OS shutdown, event logging (power, surge and voltage variations), hibernation mode, internal reports and analysis, as well as remote management capability for comprehensive power control.

Windows Compatibility – Our PowerPanel power management software has been fully tested and is compatible with Windows 8 32/64, Windows 7 32/64, Vista 32/64, XP 32/64, 2000, 2003, Server 2008 and Server 2012.

Linux & Virtual Machine OS Compatibility – PowerPanel power management software has been fully tested and is compatible with most mainstream distributions of Linux and many of the popular versions of Virtual Machine Operating Systems such as VMware ESX / ESXi and Citrix.

Critical & Non-Critical Loads – The UPS has two banks of outlets that can be configured so that the non-critical loads shut off after a set time frame to provide additional runtime for the critical load outlet. Users can prioritize their equipments' runtimes to maximize the output of the UPS to meet their power requirements.

Emergency Power Off (EPO) – The EPO port can be connected to a master power switch allowing the power to be cut to the UPS in the event of an emergency.

Backfeed Protection – The UPS can be connected to mains power with Backfeed Protection to prevent the risk of electric shock from any electric current feeding back from the UPS through the input terminals when utility power is lost. This isolates the UPS and allows service engineers to safely work on the utility power.

Generator Compatible – When connected to a generator, the UPS can have the generator mode enabled so the UPS continues to receive input power, even when the generator output frequency is less than stable. The UPS will take the unstable input power and distribute it to connected equipment in pure sine wave output that is free of harmonics and distortion.

Converter Mode – With OL10000RT3UTF, IT managers have the flexibility to set the output frequency, regardless of the input frequency, to match their connected equipment by selecting a 50Hz or 60Hz output on the LCD control panel.

Multiple Language Options – The OL10000RT3UTF LCD control panel can be configured in English, Spanish and French for ease of use.

USB & Serial Connectivity – HID compliant USB port and Serial port enables full integration with built-in power management and auto shutdown features of Windows, Linux and VMware.

EMI/RFI Filters – Filters against electromagnetic interference and radio frequency interference ensuring clean power for connected equipment.

Audible Alarms – Distinctive tones identify when the unit is running on battery power, if it is overloaded or when the battery is low.

Resettable Circuit Breakers – Convenient unit reset switch in case of an overload.

3-Year Warranty – Stringent manufacturing processes and innovative product design enables CyberPower to offer one of the strongest warranties in our industry. CyberPower will repair or replace damaged units within three (3) years of purchase date.

Technical Support – CyberPower will assist customers with any product, installation, or warranty concerns.

ISO & Safety Certifications – All CyberPower manufacturing facilities are state-of-the-art and ISO-9001 Quality Tested. Our products are certified by the FCC, cUL and UL.

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SMART APP SERIES

OL10000RT3UTF SPECIFICATIONS

GENERAL	
UPS Topology	Double-Conversion Online
Energy Saving	ECO Mode Efficiency >95%
INPUT	
Voltage	200 – 240Vac
Input Frequency Range	40Hz – 70Hz (auto-sensing)
Input Power Factor	0.99
Cold Start	Yes
Backfeed Protection	Yes
Plug Style	Hardwire
Cord Length (FT)	N/A
OUTPUT	
VA	10,000 (10 kVA)
Watts	9,000 (9 kVA)
On Battery Waveform	Sine Wave
On Battery Voltage	120Vac; 200, 208, 220, 230, 240Vac (Configurable) ±2%
On Battery Frequency	50/60Hz (Auto-Sensing or Configurable) ±0.25Hz
Rated Power Factor	0.9
Harmonic Distortion	THD < 3% at Linear Load, < 5% at Non-linear Load
Crest Factor	3:1
ECO Mode Voltage Regulation	±10%, ±15% (Configurable)
Outlets - Total	19
Outlet Type	NEMA L6-20R (2) NEMA L6-30R (4) Hardware Terminal Block (1) NEMA 5-20R (12)
Bypass	Internal Bypass (Automatic and Manual)
Transfer Time	0 ms
SURGE PROTECTION & FILTERING	
Surge Suppression	2,670 Joules – IEC 61000-4-5 Level 3
Phone / Network Protection RJ11/RJ45	1-In / 1-Out
EMI/RFI Filtration	Yes

BATTERY	
Runtime at Half Load (min.)	11
Runtime at Full Load (min.)	4
Battery Type	Sealed lead acid
Battery Size	12V/9.0AH
Battery Quantity	20
User Replaceable	Yes
Hot Swappable	Yes
Typical Recharge Time	4 Hours (*2.5 w/Fast Charge Technology)
Smart Battery Management (SBM) Mode	Yes
Expandable Battery Module Option	BP240V30ART3U
MANAGEMENT & COMMUNICATIONS	
LCD Control Panel	The LCD control panel enables users to check 38 different settings or status options via the UPS Status menu, UPS Setup menuand run Testing menus. Refer to the "Function Setup Guide" on the "Resources" tab for complete options.
Removable LCD Control Panel	Yes - Requires a separate DB26 Cable (Two Ports - Front/Back)
HID Compliant USB Port	Yes
Serial Port	Yes
EPO Port	Yes
Dry Contacts	Yes
Management Cable	USB cable, Serial Cable
LED Indicators	Power On (White), Line Mode (Green), Battery Mode (Yellow), Bypass Mode (Yellow), Fault (Red), Replace Battery (Red)
Audible Alarms	Battery Mode, Battery Low, Overload, UPS Fault, Replace Battery

MANAGEMENT & COMMUNICATIONS (CONT.)	
Software	PowerPanel® Business Edition
SNMP / HTTP Remote Monitoring	Yes - Optional RMCARD302 or RMCARD303
PHYSICAL	
Form Factor	Rack / Tower Convertible
Power Module, Battery Module and Step-down Tranformer	
Dimensions (WxHxD) (in.)	17 x 15.75 x 26
Dimensions (WxHxD) (mm.)	433 x 400.05 x 660
Weight (lbs.)	384.1
Weight (Kg.)	174.6
Installed Rack Height	9U
Enclosure ConStruction	Steel
Mounting Hardware Included:	Yes
ENVIRONMENTAL	
Operating Temperature	32 °F to 104°F 0°C to 40 °C
Operating Humidity	0% – 90% non condensing
Operating Elevation	0 – 10000 feet 0 – 3000 meters
Storage Temperature	5 – 113 °F (-15 – 45 °C)
Storage Relative Humidity	0% – 95% non condensing
Storage Elevation	0 – 50000 feet 0 – 15000 meters
Audible noise at 1.5M from surface of unit	55 dBA
Online Thermal Dissipation	3412 BTU/hr
CERTIFICATIONS	
Certifications	UL1778, CSA C22.2 NO.107.3-05, FCC DOC Class A
ROHS	ROHS Compliant
WARRANTY	
Product Warranty	3 Years Limited
Connected Equipment Guarantee	Lifetime
CEG Amount	$300,000

*Fast Charge Technology requires the External Battery Module (EBM) to be connected to a 208Vac utility power source.

CyberPower Systems, Inc. designs and manufactures state-of-the-art power protection and distribution equipment for corporate, business, home, government and educational markets. CyberPower leads the industry by surpassing customer expectations in the development, design, construction, durability and functionality of uninterruptible power supply (UPS) products for computers, peripherals and connected devices. CyberPower Systems operates in the Asian Pacific, North Americanand European markets.
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